

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2230	423/82,132,202,81,82,22.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/11 17:30
L2	526	502/27.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/11 17:31
L3	2741	1 2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/11 17:32
L4	1151	((sulfuric NEAR acid) or ("H.sub.2so4 or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral\$1 NEAR acid)) same ((nitric NEAR acid) ADJ ("HNO.sub.3") or( Aqua NEAR fortis) or (strong NEAR water))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/11 17:32
L5	3	3 and 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/11 17:32
S1	1	("5827349").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/12 09:10
S2	697	502/300.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:18
S3	41	metal\$4 NEAR carrier NEAR cataly\$4 NEAR device\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:20
S4	79679	noble NEAR metal\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:21

S5	120	S2 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:21
S6	1	S3 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:21
S7	13003	metal\$4 NEAR carrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:26
S8	4034	wash NEAR coat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 11:27
S9	17327981	Ruthenium Rhodium Palladium Osmium Iridium Platinum Gold (noble metal\$4) Ru Rh Pd Os Pt Ir Au	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:30
S14	7584	(nitric NEAR acid) ADJ ("HNO.sub.3") or ( Aqua NEAR fortis) or (strong NEAR water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:42
S15	641346	(sulfuric NEAR acid) or (HCL) or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral \$1 NEAR acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:44
S16	705	S14 near3 S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:45
S17	13003	metal\$4 NEAR carrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:46
S18	4034	wash NEAR coat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:46

S24	67	S9 WITH S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:48
S26	46797	"502".CLAS.	US-PGPUB; USPAT	OR	ON	2008/11/12 19:49
S27	78	420/82.COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:50
S29	10166	B01J23/00.IPCR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/12 19:55
S30	45389	c22c38/00.IPCR.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 08:18
S31	46822	"502".CLAS.	US-PGPUB; USPAT	OR	ON	2008/11/13 08:21
S32	79	420/82.COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 08:21
S33	10166	B01J23/00.IPCR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 08:21
S34	101205	S31 S32 S33 S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 08:21
S35	17331352	Ruthenium Rhodium Palladium Osmium Iridium Platinum Gold (noble metal\$4) Ru Rh Pd Os Pt Ir Au	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 08:21
S36	7598	(nitric NEAR acid) ADJ ("HNO.sub.3") or( Aqua NEAR fortis) or (strong NEAR water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 08:21

S37	38810	(CATALYTIC NEAR CONVERTER\$2) (METAL\$4 NEAR CARRIER)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 09:08
S38	6895179	separat\$4 recover\$4 filtra\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 09:15
S39	1301517	cataly\$4 (catalytic NEAR DEVICE)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 09:16
S40	1309661	S37 or S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 09:16
S41	369967	(activat\$3 NEAR ALUMIN\$5) ZIRCONIA (WASH NEAR COAT) (honeycomb)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 09:18
S42	813204	AQUEOUS NEAR SOLUTION	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 09:24
S43	3633811	ALUMIN\$5 ZIRCONIA (WASH NEAR COAT) (honeycomb) ("al.sub.2O. sub.2") (Al2O3) (Aluminium oxide) (Zirconium dioxide) ("zn.sub.2O") (zn2O)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 13:09
S44	1490442	S35 WITH (S40 CARRIER\$1 SUPPORT \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 13:15
S45	425058	(sulfuric NEAR acid) or ("H.sub.2so. sub.4") or H2so4 or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral\$1 NEAR acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 14:45
S46	695	S45 WITH S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 14:49

S49	899	423/ 22.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 15:30
S50	517	429/ 49,75.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 15:31
S54	4	"2863760".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/13 15:52
S55	231533	metal\$4 NEAR3 (carrier device\$1 support\$2 carr\$4)	US-PGPUB; USPAT	OR	ON	2008/11/17 10:17
S56	14171624	Ruthenium Rhodium Palladium Osmium Iridium Platinum Gold (noble NEAR2 metal\$4) Ru Rh Pd Os Pt Ir Au	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 10:18
S59	696	S68 WITH S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 10:20
S60	532	423/ 22.ccls.	US-PGPUB; USPAT	OR	ON	2008/11/17 10:29
S61	39746	honeycomb or washcoat	US-PGPUB; USPAT	OR	ON	2008/11/17 11:13
S62	2980	S61 with S56	US-PGPUB; USPAT	OR	ON	2008/11/17 11:13
S63	1531	S62 and acid	US-PGPUB; USPAT	OR	ON	2008/11/17 11:14
S64	361	S59 and (alumina or "al.sub.2o. sub.3" or Aluminium NEAR oxide or aloxite or zirconia or Zirconium dioxide or "zro.sub.2")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 11:18
S65	1935	S68 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 13:33
S66	40330	honeycomb or washcoat or (wash NEAR COAT)	US-PGPUB; USPAT	OR	ON	2008/11/17 14:17

S67	130841	"423".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 14:25
S68	73250	"502".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 14:25
S69	193973	S67 S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 14:26
S70	2337433	recover\$3 or separation\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 15:23
S71	32789	(silica?alumina) or (silica?alumina) or (silica?zirconia) or (alumina?zirconia)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 17:18
S72	96633	alumina same catalyst	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:05
S73	637	S65 near5 S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:40
S74	264	S73 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:41
S75	245	S74 and S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:42
S76	154	S75 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:42

S77	149	S70 near5 S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:44
S78	4	S77 near8 ( carrier device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/17 19:45
S79	1278804	alumina or "al.sub.2o.sub.3" or Aluminium NEAR oxide or aloxite or zirconia or Zirconium dioxide or "zro. sub.2"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:14
S80	1110785	alumina or silica or zirconia or thoria or boria	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:14
S81	1110829	alumina or silica or zirconia or thoria or boria or (silica?alumina) or (silica? alumina) or (silica?zirconia) or (alumina?zirconia)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:14
S82	1668873	S79 S80 S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:15
S83	228463	S82 near4 (support device metal\$4 carrier\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:15
S84	46835	"502".CLAS.	US-PGPUB; USPAT	OR	ON	2008/11/18 08:17
S86	6735212	recover\$3 or separation\$1 or separat \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:17
S90	130854	"423".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:20

S92	170566	S90 or S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:21
S94	12963	S86 same S83	US-PGPUB; USPAT	OR	ON	2008/11/18 08:21
S96	3587	S94 and S92	US-PGPUB; USPAT	OR	ON	2008/11/18 08:22
S97	2	"3856912".pn. and (support device metal\$4 carrier\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:35
S98	5	"3428448".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 08:39
S99	1221575	(catalyt\$4 NEAR component) (catalyt \$4 NEAR substance) catalyt\$4 catalyst \$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 09:17
S100	29704	S99 near S82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 09:17
S101	5213	S100 near4 (layer support\$1 surface device\$1 carrier\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 09:21
S104	1737	S101 with S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 09:23
S106	425740	(sulfuric NEAR acid) or ("H.sub.2so. sub.4") or H2so4 or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral\$1 NEAR acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 09:25
S107	4	S104 with S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 09:25



S110	7618	(nitric NEAR acid) ADJ ("HNO.sub.3") or( Aqua NEAR fortis) or (strong NEAR water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 11:19
S112	697	S106 WITH S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 11:20
S113	246	S112 with (solution mixture together)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 11:20
S119	16	nakatsu near shigeru	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 11:23
S123	425740	(sulfuric NEAR acid) or ("H.sub.2so.sub.4") or H2so4 or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral\$1 NEAR acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 15:09
S125	7618	(nitric NEAR acid) ADJ ("HNO.sub.3") or( Aqua NEAR fortis) or (strong NEAR water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/18 15:09
S127	594	S123 with S125	US-PGPUB; USPAT	OR	ON	2008/11/18 15:09
S128	1	"3856912".pn.	US-PGPUB; USPAT	OR	ON	2008/11/18 18:27
S129	477927	(sulfuric NEAR acid) or ("H.sub.2so.sub.4") or H2so4 or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral\$1 NEAR acid) same (nitric NEAR acid) ADJ ("HNO.sub.3") or( Aqua NEAR fortis) or (strong NEAR water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/10 15:22
S130	1151	((sulfuric NEAR acid) or ("H.sub.2so.sub.4") or H2so4 or (oil NEAR of NEAR vitriol) or (sulphuric NEAR acid) or (strong NEAR mineral\$1 NEAR acid)) same ((nitric NEAR acid) ADJ ("HNO.sub.3") or( Aqua NEAR fortis) or (strong NEAR water))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/10 15:23

S131	526	502/27.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/10 15:23
S132	1	S130 and S131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/10 15:23

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	1291	423/82,132,202,81,82,22.ccls.	USPAT; UPAD	OR	ON	2010/09/11 17:33
L7	317	502/27.ccls.	USPAT; UPAD	OR	ON	2010/09/11 17:33
L8	1596	6 7	USPAT; UPAD	OR	ON	2010/09/11 17:33
L9	4	( cataly\$5 and carrier and "sulfuric acid" and "nitric acid" and noble).clm.	USPAT; UPAD	OR	ON	2010/09/11 17:34
L10	0	8 and 9	USPAT; UPAD	OR	ON	2010/09/11 17:35

9/11/2010 6:12:50 PM

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